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Leakage protection plug

❖ Derwent Title:

Original Title:

 CN1350352A: LEAKAGE PROTECTION PLUG

Assignee:

LIU J Individual

Inventor:

Liu J.;

Accession/

2002-558717 / 200260

Update:

H01R 13/66 ; H01R 13/70 ; H02H 3/32 ;

IPC Code:

H01R 13/66; H01R 13/70; H02H 3/32;

❖ **Derwent Classes:**

V04; X13;

Manual Codes:

V04-D05(Structural association with electrical component) , X13-C01D(Difference between magnitudes or phase of voltages or currents)

Derwent

(CN1350352A) **Novelty** - A multi-function leakage protection plug not only can prevent the electric shock accident caused by electrical appliance fault but also can prevent the electric shock accident caused by the power source fault. Therefore, it has earth line live line detecting inductor in the earth line of power source line, zero sequence current mutual inductor, a pair of contact terminal setting between the sub-breaker to each line of phase, zero and earth within the plug, a spring at between the sub-breaker upper end and the copper leaf of earth line active contact terminal to let the spring force attracting to each other always exist on the pair of earth line contact terminal. The safety requirement in electrical operation can be achieved by connecting earth line first and then phase and zero lines or cutting of phase and zero lines first and then earth line when the free releasing device is acting. No matter the residual current exists between phase and zero lines or the abnormal current exists on the earth line three electrodes in the plug will be cut off simultaneously.

Dwg. 0/0

Family:

PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
 CN1350352A	* 2002-05-22	200260		English	H01R 13/66

Local apps.: CN2001000129867 Filed:2001-11-01 (2001CN-0129867)

Leakage protection plug (2002-558717):

❖ INPADOC: None

Legal Status:

❖ Priority Number:

Application Number	Filed	Original Title
CN2001000129867	2001-11-01	LEAKAGE PROTECTION

❖ Title Terms: LEAK PROTECT PLUG

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